

Title (en)
Polymer secondary batteries

Title (de)
Wiederaufladbare Polymerbatterie

Title (fr)
Batterie polymère secondaire

Publication
EP 0911894 A1 19990428 (EN)

Application
EP 98119870 A 19981020

Priority
JP 29094397 A 19971023

Abstract (en)
The present invention provides a polymer secondary battery comprising a pair of current collectors and electrodes arranged in opposed relationship with an electrolytic solution-containing separator or a solid electrolyte interposed therebetween, the polymer secondary battery having a structure in which a first active material layer adjacent to the current collector of the negative electrode has laminated thereto at least one layer of a material capable of causing an oxidation-reduction reaction based on the same chemical species and having a formal oxidation-reduction potential higher than that of the first active material layer. This polymer secondary battery has a high rate of appearance of capacity, is capable of quick charging and discharging, and exhibits excellent cycle characteristics. <IMAGE>

IPC 1-7
H01M 4/60; **H01M 10/40**; **H01M 4/02**

IPC 8 full level
C08L 79/00 (2006.01); **H01M 4/13** (2010.01); **H01M 4/137** (2010.01); **H01M 4/60** (2006.01); **H01M 10/05** (2010.01); **H01M 10/0565** (2010.01)

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H01M 4/60 (2013.01 - EP US); **H01M 4/602** (2013.01 - EP US); **H01M 4/606** (2013.01 - EP US); **H01M 4/608** (2013.01 - EP US);
Y02E 60/10 (2013.01 - EP)

Citation (search report)
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